

## **ABSTRACT**

An automatic electric power generating device for wheels includes a wheel hub and a housing. The wheel hub is provided with a first magnetic pole set and a second magnetic element. The first magnetic pole set has a spool, and left and right magnetic poles. The spool is wound with a coil having a guiding end thereof connected to an illuminating element installed at the wheel hub. The housing is provided with a first magnetic element and a second magnetic pole set. The second magnetic pole set has a spool, and left and right magnetic poles. The spool is wound with a coil having a guiding end thereof connected to a lighting device. Through rotations of the wheel, induction is generated between the driven and rotating magnetic pole sets and the magnetic elements.